

ABSTRACT

A fuel cell separator is molded from a resin composition containing specific amounts of graphite, thermosetting resin and internal release agent. The graphite is a synthetic graphite powder prepared by graphitizing lump coke. The thermosetting resin is a mixture of phenolic novolac, benzoxazine and polycarbodiimide resins. The molded separator does not need to be machined, has a significantly improved electrical conductivity, heat resistance and mechanical strength, and even when very thin is resistant to breakage during molding and fuel cell assembly.